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02570  
U.S.PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	19226/2291 (R-5824, R-5875, R-5881)
First Inventor	Lucey et al.
Title	Process for Producing Semiconductor Nanocrystal Cores, Core-Shell, Core-Buffer-Shell and Multiple Layer Systems in a Non-Coordinating Solvent Utilizing In-Situ Surfactant Generation
Express Mail Label No.	EL 984956755 US

22581 U.S.PTO  
10/804629031904  
10/804629

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification [Total Pages 31]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications (if applicable)
  - Statement Regarding Fed sponsored R & D (if applicable)
  - Reference to sequence listing, a table, or a computer program listing appendix (if applicable)
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [ Total Sheets 15]
- Oath or Declaration [ Total Pages 3]
  - Newly executed (original or copy)
  - Unsigned
  - Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
- Application Data Sheet. See 37 CFR 1.76
- CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - CD-ROM or CD-R (2 copies; or
    - paper
  - Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement  Power of (when there is an assignee) Attorney
- English Translation Document (if applicable)
- Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- Nonpublication request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label				or <input checked="" type="checkbox"/> Correspondence address below
--	--	--	--	---

Name	Candice J. Clement		
	Nixon Peabody LLP		
Address	Clinton Square, P.O. Box 31051		
City	Rochester	State	NY
Country	USA	Telephone	(585) 263-1069
		Zip Code	14603-1051
		Fax	(585) 263-1600

Name (Print/Type)	Candice J. Clement	Registration No. (Attorney/Agent) 39,946	
Signature	Candice J. Clement		Date March 19, 2004

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U.S.P.T.O.

# FEE TRANSMITTAL FOR FY 2004

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$572)

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Lucey et al.
Examiner Name	To Be Assigned
Art Unit	To Be Assigned
Attorney Docket No.	19226/2291 (R-5824, R-5875, R-5881)

## METHOD OF PAYMENT (check all that apply)

 Check  Credit Card  Money Order  Other  None
 Deposit Account:

Deposit Account Number

14-1138

Deposit Account Name

Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments

Charge any additional fee(s)

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	385
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)		(\$ 385)			

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	36	-20** =	16 X 9	144.00
Independent Claims	4	-3** =	1 X 43	43.00
Multiple Dependent		X		\$187.00

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ )		

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1051	130	2051	65	Surcharge - late filing fee or oath
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130	Non-English specification
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action
1251	110	2251	55	Extension for reply within first month
1252	420	2252	210	Extension for reply within second month
1253	950	2253	475	Extension for reply within third month
1254	1,480	2254	740	Extension for reply within fourth month
1255	2,010	2255	1,005	Extension for reply within fifth month
1401	330	2401	165	Notice of Appeal
1402	330	2402	165	Filing a brief in support of an appeal
1403	290	2403	145	Request for oral hearing
1451	1,510	1451	1,510	Petition to institute a public use proceeding
1452	110	2452	55	Petition to revive - unavoidable
1453	1,330	2453	665	Petition to revive - unintentional
1501	1,330	2501	665	Utility issue fee (or reissue)
1502	480	2502	240	Design issue fee
1503	640	2503	320	Plant issue fee
1460	130	1460	130	Petitions to the Commissioner
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)
1806	180	1806	180	Submission of Information Disclosure Stmt
8021	40	8021	40	Recording each patent assignment per property (times number of properties)
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))
1801	770	2801	385	Request for Continued Examination (RCE)
1802	900	1802	900	Request for expedited examination of a design application

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

## CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop \_\_\_\_\_, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

Typed or printed name \_\_\_\_\_

SUBMITTED BY		Registration No. (Attorney/Agent)	39,946	Complete (if applicable)
Name (Print/Type)	Candice J. Clement			Telephone (585) 263-1069
Signature	Candice J. Clement			Date March 19, 2004

SEND TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAIL CERTIFICATE**

DOCKET NO.: **19226/2291 (R-5824, R-5875, R-5881)**

APPLICANTS: **Lucey et al.**

TITLE: **PROCESS FOR PRODUCING SEMICONDUCTOR NANOCRYSTAL CORES, CORE-SHELL, CORE-BUFFER-SHELL AND MULTIPLE LAYER SYSTEMS IN A NON-COORDINATING SOLVENT UTILIZING *IN-SITU* SURFACTANT GENERATION**

Certificate is attached to the **Utility Patent Application Transmittal Letter (1 page) (in duplicate) and Fee Transmittal (1 page) (in duplicate)** of the above-named application.

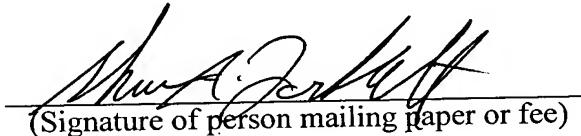
EXPRESS MAIL NUMBER: **EL 984956755 US**

DATE OF DEPOSIT: **March 19, 2004**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Shawn A. Lockett

(Typed or printed name of person mailing paper or fee)



Shawn A. Lockett  
(Signature of person mailing paper or fee)

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APPLICANTS: **Lucey et al.**

TITLE: **PROCESS FOR PRODUCING SEMICONDUCTOR  
NANOCRYSTAL CORES, CORE-SHELL, CORE-BUFFER-  
SHELL AND MULTIPLE LAYER SYSTEMS IN A NON-  
COORDINATING SOLVENT UTILIZING *IN-SITU*  
SURFACTANT GENERATION**

Certificate is attached to the **Patent Application including specification, claims  
and abstract (31 pages) and UNSIGNED Combined Declaration and Power of  
Attorney (3 pages)** of the above-named application.

EXPRESS MAIL NUMBER: **EL 984956755 US**

DATE OF DEPOSIT: **March 19, 2004**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Shawn A. Lockett

(Typed or printed name of person mailing  
paper or fee)



(Signature of person mailing paper or fee)

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NANOCRYSTAL CORES, CORE-SHELL, CORE-BUFFER-  
SHELL AND MULTIPLE LAYER SYSTEMS IN A NON-  
COORDINATING SOLVENT UTILIZING *IN-SITU*  
SURFACTANT GENERATION**

Certificate is attached to the **Drawings (15 sheets)** of the above-named application.

EXPRESS MAIL NUMBER: **EL 984956755 US**

DATE OF DEPOSIT: **March 19, 2004**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Shawn A. Lockett

(Typed or printed name of person mailing paper or fee)



(Signature of person mailing paper or fee)